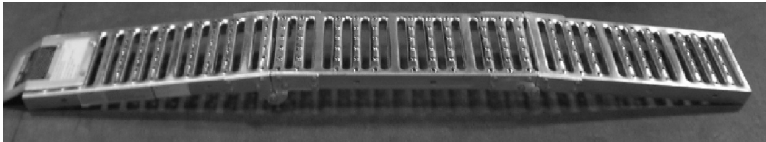
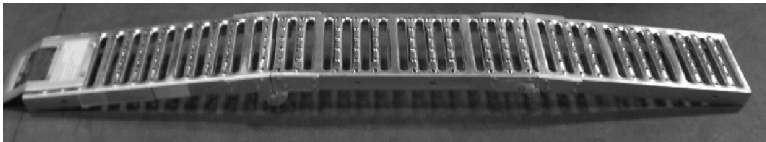




# TRI-FOLD LOAD RAMPS

**Models** 96513 - 6' x 9" 96514 - 6' x 11"

## OPERATING INSTRUCTIONS



Product sold as a pair packaged in one container

Diagrams within this manual may not be drawn proportionally.

Due to continuing improvements, actual product may differ slightly from the product described herein.

**Distributed exclusively by Harbor Freight Tools®.**

3491 Mission Oaks Blvd., Camarillo, CA 93011

Visit our website at: <http://www.harborfreight.com>



**Read this material before using this product.  
Failure to do so can result in serious injury.  
SAVE THIS MANUAL.**

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**For technical questions or replacement parts, please call 1-800-444-3353.**

## Specifications

SKU	96513	96514
Construction	14 Gauge Stamped Steel Frame, Cast Alloy Hinges, Carbon Steel Hardware	
Finish	Galvanized Sheet Steel, Zinc Plated Hinges & Hardware	
Maximum Weight Capacity	1000 lb. Per Pair, 500 lb. Per Single Ramp	
Ramp Tread Dimensions	66" L X 8" W Perforated Steel	66" L X 9" W Perforated Steel
Ramp Overall Dimensions	6' x 9"	6' x 11"
Net Weight	30.5 lb. (Each Ramp)	33.1 lb. (Each Ramp)
Safety Chains	1 Per Ramp	

**NOTE: Maximum Load Capacity = 1,000 lb. per pair, 500 lb. per individual ramp. Do not exceed this maximum capacity.**

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## SAVE THIS MANUAL

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You will need the manual for the safety warnings and precautions, assembly instructions, operating and maintenance procedures, parts list and diagram. Keep your invoice with this manual. Write the invoice number on the inside of the front cover. Keep the manual and invoice in a safe and dry place for future reference.

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## SAFETY WARNINGS AND PRECAUTIONS

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**WARNING: When using this product, basic safety precautions should always be followed to reduce the risk of personal injury and damage to equipment.**

### Read all instructions before using this product!

1. Avoid working alone. If an accident happens, an assistant can bring help.
2. Keep work area clean. Cluttered areas invite injuries.
3. Observe work area conditions. Keep work area well lighted.
4. Keep children away. Children and pets must never be allowed in the area when you are loading or unloading a vehicle with the Tri-Fold Ramp. Do not let children climb or walk on Ramp.
5. Store idle equipment. When not in use, the Ramp must be stored in a dry location to inhibit rust. Always lock up Ramp and keep out of reach of children.
6. Dress properly. Do not wear loose clothing or jewelry as they can be caught in moving parts. Protective, electrically non-conductive clothes and nonskid footwear are recommended when working. Wear restrictive hair covering to contain long hair. Protect your hands with heavy duty work gloves.
7. Use eye protection. Always wear ANSI-approved impact safety goggles.
8. Do not overreach. Keep proper footing and balance at all times.
9. Maintain Ramps with care. Inspect Ramps periodically, and if damaged, have them repaired by an authorized technician.

10. Use the right Ramp for the job. Do not attempt to force a small Ramp to do the work of a larger industrial Ramp. There are certain applications for which this Ramp was designed. Do not modify this Ramp and do not use this product for a purpose for which it was not intended.
11. Stay alert. Watch what you are doing, use common sense. Do not set up and use the Ramp when you are tired.
12. Check for damaged parts. Before using any tool, any part that appears damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment and binding of moving parts; any broken parts or mounting fixtures; and any other condition that may affect proper operation. Note: Dents or other imperfections in the Ramp may lead to a weakening of the structural strength of this product; do not use the ramp if this type of damage is noted.
13. Replacement parts and accessories. When servicing, use only identical replacement parts. Use of any other parts will void the warranty.
14. Do not use this product if under the influence of alcohol or drugs. Read warning labels on prescriptions to determine if your judgment or reflexes are impaired while taking drugs. If there is any doubt, do not use the Ramp.
15. Maintenance. For your safety, maintenance should be performed regularly by a qualified technician.
16. Ground contact. Use your Ramps on a solid, level, flat, dry surface. Make sure the Tongue edge fully contacts the tailgate of the vehicle.
17. Clean Ramps. Prior to each use, clean dirt, oil, or any debris off ramps.
18. Load vehicle slowly. Never ride a vehicle up or down the load ramp.
19. Never exceed the 1000 lb. per pair, or 500 lb. per single Ramp maximum weight capacity. Doing so can result in personal injury and/or damage to the ramp. Be aware of dynamic loading! If you drop a load on the ramp or if the load bounces, it may create, for a brief instant, an excess load which may result in damage to the ramp and/or personal injury.  
Check maximum tailgate weight capacity. Never exceed this capacity if tailgate capacity is less than 1,250 lb.
20. Use Safety Chains to prevent ramps from sliding off tailgate only.
21. **WARNING:** The warnings, cautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

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## **UNPACKING**

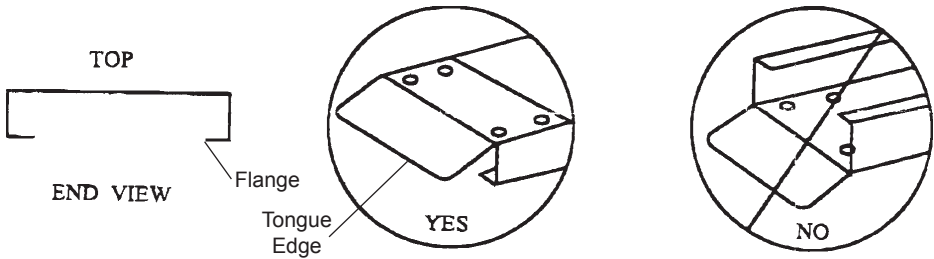
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When unpacking, check to make sure the parts listed at the end of this manual are included. If any parts are missing or broken, please call Harbor Freight Tools at the number on the cover of this manual.

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## ASSEMBLY

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**WARNING!** In the following assembly process, the flange pictured must face down with the Tongue (10) edge fully contacting the tailgate. It is designed to keep the Ramps from moving once the weight of the load is riding on the ramp.

Refer to the Assembly Drawing near the end of this manual.

1. Line up the four holes on the Tongue (10) with the four holes on the Upper Ramp (5). Insert four Bolts (11) from the top (as pictured on the Assembly Drawing) and secure with Flat Washers, Split Lock Washers, and Nuts.
2. Attach the safety chain (12) to the Upper Ramp (5) as shown on the assembly diagram.
3. Repeat steps 1 and 2 with other ramp, placing the safety chain on the opposite side of the other ramp.

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## OPERATION

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**WARNING!** Make sure the vehicle which you are loading into is turned off and in gear or park, with the emergency brake engaged and the wheels blocked.

**WARNING!** Make sure each individual Ramp is completely open and the securing chain and hook is correctly in place (see #3 below). Make sure each Ramp is clean and dry before loading.

**WARNING!** Wear a safety helmet and ANSI-approved safety goggles at all times during loading and unloading.

1. Make sure the Ramp is completely open. Make sure the tailgate the ramp will sit on, is dry and clean.
2. Sit the tongue (angled lip) of the Ramp on the tailgate. Stretch the Safety Chain on each Ramp being used up into the inside of the truck bed; attach the hook on each Safety Chain to a secure attachment point on the inside of the truck bed.  
**WARNING! SAFETY CHAINS MUST BE CONNECTED TO SECURE ATTACHMENT POINTS WITHIN THE TRUCK BED ABLE TO WITHSTAND THE PULLING FORCE OF LOADING. THEY MUST ALSO BE TAUT ENOUGH TO PREVENT THE RAMP FROM COMING OFF THE VEHICLE BEING LOADED.**
3. Pull the loading ramp back until the chains are tight. The entire tongue portion of the ramps must fit onto the tailgate; If not, adjust the Safety Chains (12) accordingly or shorter chains must be used.

4. Chain Adjustment: Remove the bolt and washer that hold the safety chain to the ramp. Reinsert the bolt through a link that will shorten the chain so the loading ramp can not be pulled backwards by the ATV's rear tire. Make sure that the bolt is properly tightened and the washer prevents the bolt from slipping through the chain link. Adjust the other chain to equal length.

## **4- Wheel ATV Loading**

### **WARNING!**

- **THIS TRI-FOLD RAMP IS FOR USE WITH 2 OR 4-WHEELED DIRT BIKES AND ATV'S ONLY. DO NOT USE THIS RAMP TO LOAD 3-WHEELED VEHICLES.**
- **DO NOT USE THIS TRI-FOLD RAMP TO LOAD ANY VEHICLE THAT WEIGHS MORE THAN 1000 LB.**
- **BE SURE THE TIRES OF THE ATV BEING LOADED ARE NOT WIDER THAN THE WIDTH OF THE RAMPS.**
- **DO NOT USE THIS TRI-FOLD RAMP TO LOAD ANY VEHICLE THAT IS CARRYING GEAR ON ITS RACKS.**
- **DO NOT USE THIS RAMP IF THE TAILGATE ON THE VEHICLE BEING LOADED IS HIGHER THAN HALF THE RAMP'S LENGTH.**

**WARNING!** All persons not involved in the loading process must stand clear of the loading Ramp and truck. Make sure no pets are nearby.

## **ONLY USE A WINCH (NOT PROVIDED) TO LOAD THE 4-WHEEL ATV.**

1. **This is the safest way to load a 4-WHEEL ATV.**
2. **The winch and mounting/connection points must all have appropriate capacity to pull the ATV up the ramp safely.**
3. *Winch Setup:*
  - a. *ATV-Mounted:* Unwind cable from the winch and attach it to a secure mounting location on the truck, at the same height as the winch will be after the ATV has been loaded.
  - b. *Truck Mounted:* Attach the cable to the bottom front part of the frame.
4. While operating the winch, stand back and to the side of the ATV, with the vehicle between you and the winch cable.
5. **WARNING! BE SURE THE 4-WHEELED ATV IS CENTERED ON RAMPS.**
6. Operate the winch to slowly load the ATV onto the vehicle.
7. Once load is in truck bed, be sure to set the ATV's brake & securely tie down ATV. Remove the ramp, fold it up and secure it within the truck bed using the Safety Chains and Hooks (12).

**Caution! Contact between the tongue (angled lip) of the ramp and the tailgate of the vehicle may result in damage to the vehicle's body finish.**

## 4- Wheel ATV Unloading

### **WARNING!**

- **THIS RAMP IS FOR USE WITH 2 OR 4-WHEELED ATV'S ONLY. DO NOT USE THIS RAMP TO UNLOAD 3-WHEELED VEHICLES.**
- **DO NOT USE THIS RAMP TO UNLOAD ANY VEHICLE THAT WEIGHS MORE THAN 1000 LB.**
- **DO NOT USE THIS RAMP TO UNLOAD ANY VEHICLE THAT IS WIDER THAN THE RAMPS, ADJUST THE RAMPS BY MOVING THE ATV CLOSE TO THE HAULING VEHICLE AND ADJUSTING THE WIDTH BEFORE PUTTING ANY WEIGHT ON THE TRI-FOLD RAMPS.**
- **DO NOT USE THIS RAMP TO UNLOAD ANY VEHICLE THAT IS CARRYING GEAR ON ITS RACKS.**
- **DO NOT USE THIS RAMP IF THE TAILGATE ON THE VEHICLE BEING UNLOADED IS HIGHER THAN HALF THE RAMP'S LENGTH.**

**WARNING!** All persons not involved in the unloading process must stand clear of the loading Ramp and truck.

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### **WARNING! RIDING AN ATV WHILE UNLOADING IS DANGEROUS AND SHOULD NOT BE ATTEMPTED.**

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1. Have a qualified adult assistant monitor the Ramp tongue for slippage on the tailgate.
2. Setup the ramp on the truck bed as explained under "Operation", on page 4. Remove all tie down straps and securing equipment from the ATV. **WARNING! BE SURE THE 4-WHEELED ATV IS CENTERED ON RAMP.**
3. While staying off the ATV, start the engine, disengage the parking brake, put the transmission into reverse, and make sure the wheels are in a straight line with the ramp. While holding the brake, position yourself on the truck bed in front of the ATV.
4. Release the brake and push on the ATV to get it started down the ramp. Allow the ATV to roll down naturally, do not attempt to steer it or apply the brakes. If it stops while on the ramp, gently give it throttle to back it off the ramp.

## **2-WHEEL BIKE LOADING**

1. Never attempt to load any dirt bike or other 2-wheel motor bike alone. Always have a qualified adult to assist.
2. Line up the 2-Wheel bike with one of the Tri-Fold Ramp sections.
3. With one person pushing the bike slowly up the Ramp, a helper should be in the bed of the hauling vehicle both to guide and to apply the brake if it is necessary to stop the bike while it is on the ramp. Always have one person with a hand on the bike hand brake for safety.
4. Once the person inside the truck bed has hold of the handle bars, apply the brake and steady the bike while the other person moves behind the bike (but off to one side) and pushes it all the way into the truck bed.

**NOTE:** While most dirt bikes are light enough to safely load with two people, a third person can make the job easier and safer.

5. Once the bike is safely loaded, secure it with four tie down straps (not included), one on each side of the front, and one on each side at the rear of the bike.

## **2-WHEEL BIKE UNLOADING**

1. Position the Tri-Fold Ramp against the truck tailgate behind the rear tire of the bike and attach the Safety Chain to the truck bed.
2. Remove the tie-down straps (not included). Slowly and carefully while using an assistant, push the bike backwards until the back tire is at the top of the Ramp. With one person on the ground behind but to the side of the Ramp, slowly push the bike onto the ramp. Make sure you always have someone holding the hand brake.
3. Slowly work the bike down the Ramp and onto the ground

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## **MAINTENANCE**

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1. Clean the ramp after each use. Make sure any dirt, oil, grease, or debris are not on the Ramp.
2. Check the Ramp and Safety Chains and Hooks (1 per Ramp) for cracks, signs of stress, bends, or breakage. Do not use the Ramp if faults are discovered. Take the Ramp to a qualified service technician if repairs are required.

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## **LIMITED 90 DAY WARRANTY**

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Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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## **PLEASE READ THE FOLLOWING CAREFULLY**

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THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER NOR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.



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## PARTS LIST

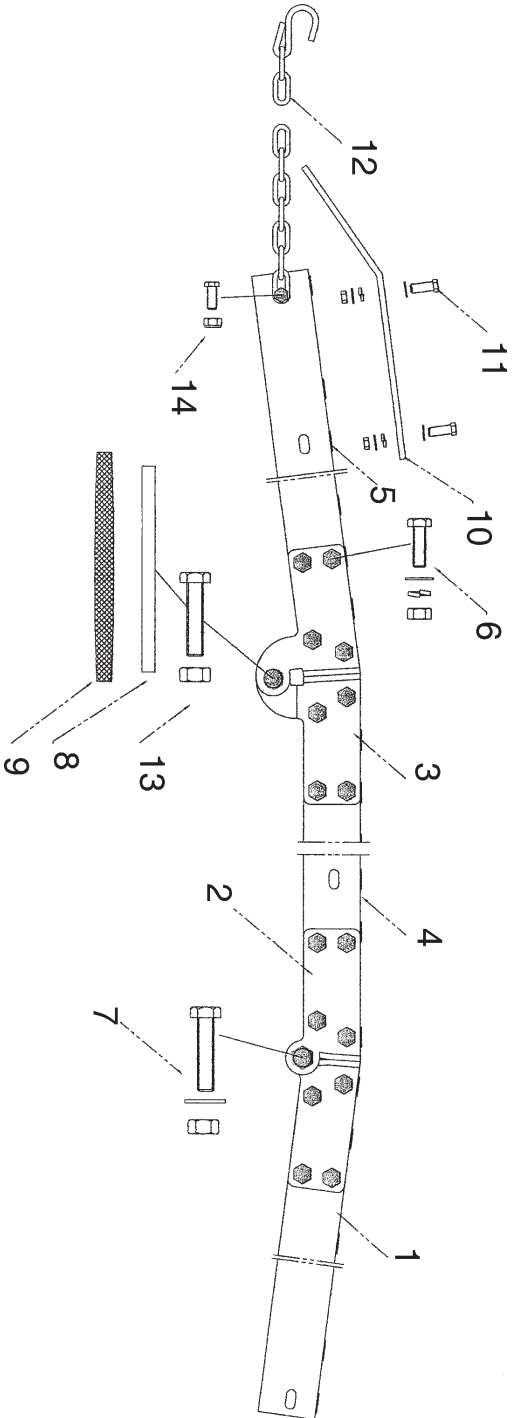
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**Note:** When ordering replacement parts, specify which sku the parts are for.

<b>Part</b>	<b>Description</b>	<b>Q'ty</b>
1	Lower Ramp	1
2	Hinge	2 Sets
3	Hinge	2 Sets
4	Middle Ramp	1
5	Upper Ramp	1
6	Bolt M8 X 20 with Washer and Nut	32 Sets
7	Bolt M10 X 30 with Nut	2 Sets
8	Handle (Attaches to Hinge between part 1 and part 4)	1
9	Jacket of the Handle	1
10	Tongue	1
11	Bolt M8 X 20 with Washer and Nut	2 Sets
12	Safety Chain and Hooks	1 per Ramp
13	Bolt M10x50 with Washer and Nut	2 Sets
14	Bolt M6x20 with Nut	2 Sets

# ASSEMBLY DIAGRAM

REV 071



Record Product's Serial Number Here: \_\_\_\_\_

**Note:** If product has no serial number, record month and year of purchase instead.

**Note:** Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts.